

# Review of: "Effect of Yogurt on Fluoride Induced Toxicity in Rabbits"

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**Potential competing interests:** No potential competing interests to declare.

This manuscript provide data for the protective efficacy of yogurt on flouride toxicity in rabbits. Authors claim that co-administration of yogurt during flouride exposure may lead to significant protection of flouride induced renal disorders in animals. In my opinion this study provides very little of interest in term of scientific sigificance as their some major concerns which remain unexplored or unanswered. Some of my major concerns include -

1. There is no data for the concentration of flouride in blood and soft tissues Without this mandatory data the study is of little or no signifcnace. It is imperative to know if protecion in renal discorder is correlated with body flouride burden?
2. There is no rationale provided for the use of very high amount of yogurt (15 g/kg which is equivalent to 1050 g for a 70 kg person or 30 g/kg equivalent to 2100 g for 70 kg person). It is not clear if both flouride and yogurt was provided simultaneously or different time interval. How the doses of yogurt and flouride were chosen? It is important to know the rationale with supportive literature.
3. Which constituent of yogurt was responsible for the protection remain unclear. The data thus might be of some clinical signicance but have no toxicological or pharmacological significance.
4. Why only renal biomarkers were chosen for the end point evaluation when it is well known that flouride causes developmental, neurobehavioral and liver injury besides dental and skeletal damage
5. why non specific markers were chosen for the evalutaion of flouride toxicity
6. Manuscript is full of grammatical, typographical errors which require careful and thorough editing,